



**CITY OF NEWARK
DELAWARE**

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Delaware

CONTRACT NO. 16-14

CLEANING, SANDBLASTING, STRUCTURAL REPAIR AND PAINTING
OF METAL FOOTBRIDGE IN RITTENHOUSE PARK

ADDENDUM 2

October 3, 2016

BOLDED sections have been added or revised. Modified items have been copied in their entirety.

Please note: The bid opening date is Tuesday, October 11, 2016 at 2:00 p.m.

GENERAL PROVISIONS

22. TIME OF COMPLETION AND LIQUIDATED DAMAGES

The contractor shall commence work on a date to be specified by the City in a written "Notice to Proceed" and to fully complete all work, including all required submittals, in forty-five (45) calendar days from the date to proceed. Delays as a result of unidentified structural repairs will not count against the forty-five (45) calendar day time frame; determination of days provided to account for structural repairs will be the sole discretion of the City staff. If the Contractor is selected for the wood bridge deck replacement option, ten (10) additional calendar days will be added to the completion date. Contractor agrees to pay \$210.00 as liquidated damages for each consecutive calendar day the contract is extended beyond said completion date.

27. PRICING

- A. **Pricing related to the cleaning, sandblasting, known structural repair identified in this contract, and the timber bridge deck replacement option shall be lump sum pricing. Pricing related to structural repairs identified during sandblasting will be based on time and materials bid identified on the form provided. The City reserves the right to have unknown structural repair completed by in-house forces or another contractor if deemed necessary by the City staff. The revised Proposal Form is part of this Addendum.**
- B. The City will retain 5% of the funds due the contractor for a period of 90 days after satisfactory completion of all work on the contract. The retainage will then be released after final inspection and completion of any necessary warranty work.

SPECIAL PROVISIONS

2. BRIDGE ENCLOSURE SYSTEM

Before sandblasting begins, the enclosure rigging system will need to be inspected by City staff. Contact Tom Zaleski, Parks Superintendent, at 302-561-5017 after system is in place.

Containment System Requirements:

Prior to commencing any cleaning operations, the Contractor shall prepare a Cleaning Contaminant System for the capture, containment, collection and storage of the waste generated by the work, which includes abrasive blasting residue, spent blasting mediums, rust, paint particles, dust, etc.

The Containment System must be capable of containing the waste and resulting residue generated by the work. The Contractor shall strive to achieve total containment (100%); and is required to meet all Federal, State, City and Local regulations using the best available technology as applicable to the bridge site. The Containment System shall meet the requirements of SSPC Guide 6, Class 1A. Visible emissions in excess of SSPC Guide 6, Level 1 (one percent in the work day) shall be cause for immediate shut down until corrections are made.

While on the site, tarps shall be held securely in place, and kept sealed at all times during water blasting, paint removal and painting.

Prior to commencing work the Contractor must submit working drawings of the proposed containment system to the Department within 14 days from Notice of Award. The Department will review the drawings and evaluate the system as to its effect on the loading capacity of the existing structure. The Contractor shall also submit the design of the systems to be employed, including an analysis of the dead, live and wind loads which will be added to the existing structure by the containment system and blast waste. The load analysis shall be performed and stamped by a licensed Professional Engineer registered in the State of Delaware and experienced in bridge analysis. The analysis shall assure that the system will not induce a load on the bridge which will create an overstress condition or otherwise effect the structural integrity of the bridge.

The following guidelines shall be followed by the Contractor in preparing the Containment Drawing Plans. However, the Contractor may submit for approval a self-contained and self-supporting blast and recovery system as an alternative option for removing the paint:

1. Working drawings with Professional Engineer Seal shall be submitted by the Contractor.
2. The working drawings shall show Containment System in plan & elevation views including details of clips and hangers.
3. The working drawings shall indicate maximum permissible load of abrasive or waste permitted on the Containment System.
4. The working drawings shall indicate no vehicles will be permitted on the bridge.
5. Permanent attachments or fasteners to the bridge will not be permitted.

6. The working drawings shall identify all containment system components; and shall indicate all rigid framework, work platform and scaffolding.
7. All curtains, screens or tarps used for containment shall be weighted down.

The review and acceptance of the working drawings by the Department shall in no way relieve the Contractor of any responsibility for obtaining the required degree of capture, containment and collection.

Cleaning of Containment System must be properly maintained while work is in progress and shall not deviate from the approved working drawings without prior approval of the Engineer. Air within the containment structure shall be exhausted rapidly to maintain a slight negative pressure, so that outside air is drawn in through specifically designed openings rather than having contaminated air leaking from inside the containment. Also, sufficient fresh air must be circulated so that dust is reduced to enable good visibility for the operator. Public access to all rigging, scaffolding and the containment systems must be denied at all times.

3. STRUCTURAL REPAIR

After completion of sandblasting, the structure shall be inspected by the inspector assigned to this project **AFTER** applying the primer coat. At that time, areas of excessive section loss or failed welds will be identified for repair as determined by the inspector. Notify Tom Zaleski once the repairs are completed.

Structural repairs include the replacement of missing sway braces at the south side of panel point 10 and 12.

8. SUBMITTALS

All items identified below shall be submitted within fifteen calendar days of "Notice to Proceed."

- A. Containment System Working Drawings
- B. Paint color chip

SPECIAL PROVISIONS

9. MEASUREMENT AND PAYMENT

Lump Sum **for cleaning, sandblasting, completion of know structural repairs and painting of bridge**. The price includes **removal and disposal of existing wood bridge deck and wood stringers**, abrasive blasting/paint removal, waste disposal, structural repairs and application of the three-coat paint system. The price also includes removal of coatings from surfaces not designated to be painted, repair of any damage resulting from paint operation, removal of coating that does not meet specifications and recoating of the surfaces, and controls necessary to comply with the requirements of regulatory agencies.

Lump Sum for wood bridge deck and stringer replacement, if option is selected.

Accrued time and materials as a result of structural repairs identified after paint system has been removed, if contractor is directed to complete repairs.

CONTRACT NO. 16-14

CLEANING, SANDBLASTING, STRUCTURAL REPAIR AND PAINTING
OF METAL FOOTBRIDGE IN RITTENHOUSE PARK

PROPOSAL

TO: The Mayor and City Council
Newark, Delaware

FROM: _____

The undersigned as a lawfully authorized agent for the below named Bidder, has carefully examined the General Provisions, Specifications, and Proposal to be known as Contract No. 16-14 and binds himself/herself on award to him/her by the Mayor and City Council of Newark, Delaware to execute in accordance with such award, a contract of which contract this Proposal and said General Provisions and any addenda shall be a part, and to furnish all materials and provide all machinery, tools and labor necessary to perform and complete the work within the time required by the contract in complete accordance with said General Provisions and Specifications, at the following named prices:

<u>Description</u>	<u>Amount</u>
1. Lump sum price to do all work as described in this contract to clean, sandblast, repair and paint metal footbridge in Rittenhouse Park	\$ _____
2. Lump sum price to replace pressure-treated wood decking	\$ _____
3. Time and materials for unidentified structural repair	\$ <u>see attached</u>

This proposal shall be irrevocable for a period of 60 days after bids are opened. We acknowledge receipt of Addendum(s) No(s). _____

Exceptions: _____

PROJECT TO BE COMPLETED IN **FORTY-FIVE (45)** CALENDAR DAYS FROM DATE OF NOTICE TO PROCEED, **UNLESS OTHERWISE MODIFIED BY GENERAL PROVISIONS ITEM NO. 22.**

DATE: _____

BIDDER: _____

BY: _____
Legally authorized representative.

PRINT NAME: _____

TITLE: _____

ADDRESS: _____

CITY, STATE, ZIP: _____

TELEPHONE: _____

TIME AND MATERIAL BID – CONTRACT NO. 16-14

Structural Repair Rates

- A) CERTIFIED WELDER – Hourly Cost \$____ per hour
- B) IRON WORKER – Hourly Cost \$____ per hour
- C) LABORER – Hourly Cost \$____ per hour
- D) TRAVEL TIME/EXPENSE: \$____ per hour or
Flat Rate: \$____ per trip
- E) MATERIALS COST:
Mark-up____% (expressed as percentage over cost)
- F) OTHER (describe, if any)